

MODEL PT7-2-150 FUSED

Medium Voltage Indoor Voltage Transformer ANSI Group 2



Fused PT7-2-150

REGULATORY AGENCY APPROVALS



E145172



LR89403

Manufactured to meet the requirements of ANSI/IEEE C57.13.
Classified by U.L. in accordance with IEC 44-1

Accuracy Class

0.3 WXYZ 1.2ZZ at 100 % rated voltage with 120 V based ANSI burden.

0.3 WXY, 1.2Z at 58 % rated voltage with 69.3 V base ANSI burden.

Frequency

60 Hz.

Maximum System Voltage

Model PT7-2-150

36.5 kV, BIL 150 kV full wave

Thermal Rating

1,500 VA 30 °C. amb.

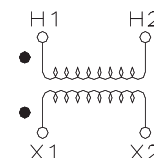
1,000 VA 55 °C. amb.

Weight

Approximate weight 185 lbs.

PT7-2 Fused

CATALOG NUMBERS				
Primary Voltage	Ratio	Secondary Voltage	Fuses	Fuse Clips Only
21,000	175:1	120	PT7-2-150-213FF	PT7-2-150-213CC
24,000	200:1	120	PT7-2-150-243FF	PT7-2-150-243CC
27,600	240:1	115	PT7-2-150-2762FF	PT7-2-150-2762CC
34,500	300:1	115	PT7-2-150-3452FF	PT7-2-150-3452CC



Transformers are for line-to-line connection, but may be connected line-to-neutral at a voltage of the rated line volts divided by the square root of three. Continuous operation at 110 % of rated voltage is permissible, provided that the thermal burden rated volt-amperes is not exceeded. For line-to-neutral connections a primary fuse should be used in the line side connection only. By this connection a transformer can never be "alive" from the line side by reason

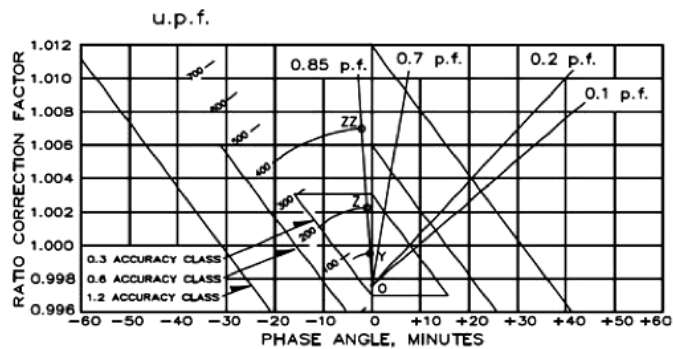


461 Boston Street, Unit E6, Topsfield, MA 01983

Toll Free (800) 644-9773 · Phone (978) 887-2020

meters@spectrumind.com

Model Fused PT7-2-150 - ANSI Group 2



The circle diagram can be used to predict the performance of a transformer for various loads and power factors. A convenient scale of volt-ampere is shown on the unity power factor line (u.p.f) and commences at the zero or no-load locus. To use the diagram, measure the known V.A. and scribe an arc about the "Zero" locus of a length that contains the angle of the burden power factor. The point at which the arc terminates is the error locus in phase angle minutes and ratio correction factor.

